

CONDENSERS AND COOLING TOWERS

under pressure is available this steam ejector is not necessary. Such an arrangement of condenser is more certain in action than the ordinary ejector condenser shown in fig. 4.

The Rees Roturbo Manufacturing Co., Ltd., also build a jet condenser,

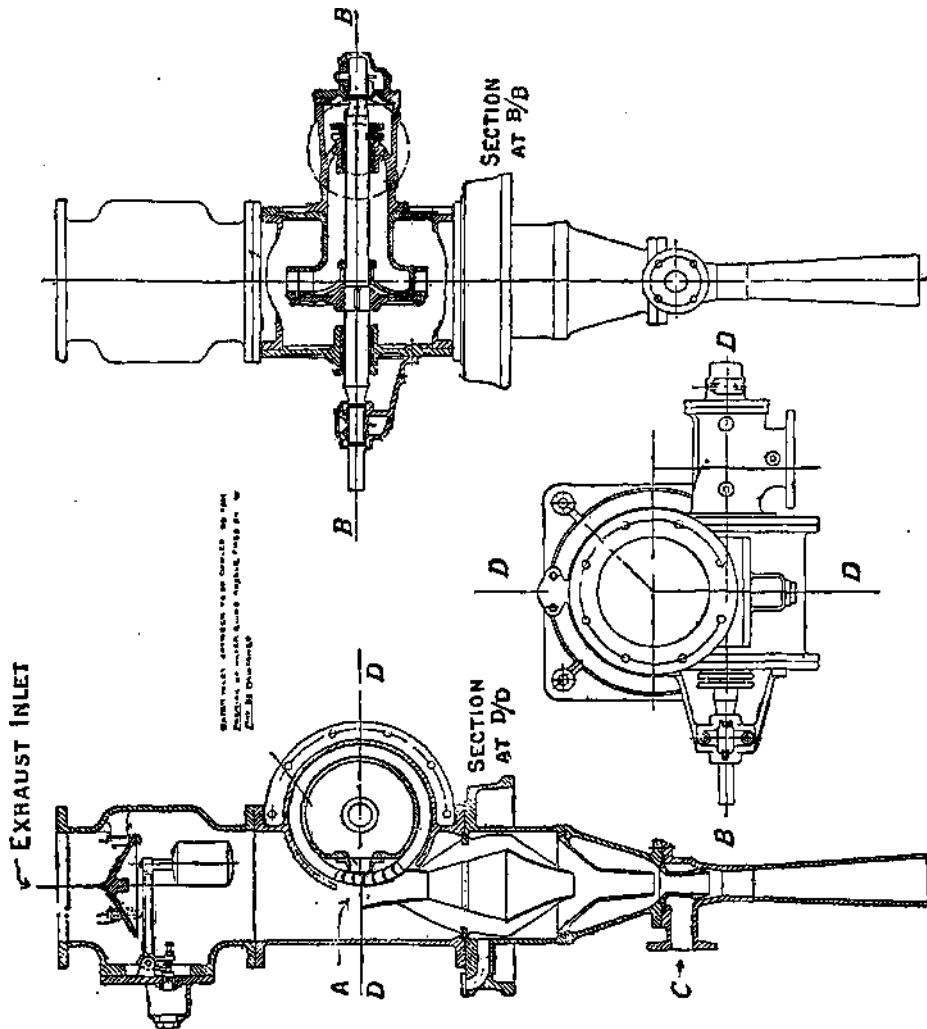


Fig. 5.—Ejector form of Condenser operated by Leblanc Rotary Pump

making use of their rotary air-pump or impeller to discharge the water and air, as illustrated in fig. 22, p. 243.

Condenser Calculations.—The most important calculation respecting jet condensers is the estimation of the amount of condensing water necessary. For this purpose it is necessary to know the amount of steam to be condensed, the inlet temperature of the condensing water, and the exhaust steam temperature required at the condenser inlet. %